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SEC:CSE-IOT;

TITLE:AGE CALCULATOR;

***AIM:application of calculating of our age by c languge***

***ALGORITHM:***

***Step 1:start***

***Step 2:declare the variables current\_date,birth\_date,calculated\_date,current\_month,birth\_month,calculated\_month,* , current\_year,birth\_year,calculated\_year;**

**Step 3:using void function for not returning the values at the end.**

**Step 4:if the birth\_date is greater than current\_date;**

**Currentmonth=current\_month1,and current\_date=current\_date+30;**

**Step 5:if the birth\_month is gretear than current\_month then;**

**Current\_year=current\_year-1;**

**Current\_month=current\_month+12;**

**Step 6:if the birth\_year is greater than current\_year**

**The condition will be exited;**

**Calculated\_date=current\_date-birth\_date;**

**Calculated\_month=current\_month-birth\_month;**

**Calculated year=current\_year-birth\_year;**

**Step 7:we are giving output as present age in “years”,”months”,and “days” by calculated\_date,calculated\_month and calculated\_year;**

**Step 8:exit**

**Programme:**

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| --- |
| **#include<stdio.h>**  **#include<stdlib.h>**    **int current\_date, birth\_date, calculated\_date, current\_month, birth\_month, calculated\_month, current\_year, birth\_year, calculated\_year;**    **void year(int current\_date, int current\_month, int current\_year, int birth\_date, int birth\_month, int birth\_year)**  **{**  **if(birth\_date > current\_date)**  **{**  **current\_month = current\_month - 1;**  **current\_date = current\_date + 30;**  **}**  **if(birth\_month > current\_month)**  **{**  **current\_year = current\_year - 1;**  **current\_month = current\_month + 12;**  **}**  **if(birth\_year > current\_year)**  **{**  **exit(0);**  **}**  **calculated\_date = current\_date - birth\_date;**  **calculated\_month = current\_month - birth\_month;**  **calculated\_year = current\_year - birth\_year;**  **printf("\nPresent Age\nYears: %d\tMonths: %d\tDays: %d\n",calculated\_year, calculated\_month, calculated\_date);**  **}**    **int main()**  **{**  **printf("\nEnter Current Date Details (In Numerical Figures)\n");**  **printf("Enter Today's Date:\t");**  **scanf("%d", &current\_date);**  **printf("Enter Current Month:\t");**  **scanf("%d", &current\_month);**  **printf("Enter Current Year:\t");**  **scanf("%d", &current\_year);**  **printf("\nEnter Your Birth Details (In Numerical Figures)\n");**  **printf("Enter Day:\t");**  **scanf("%d", &birth\_date);**  **printf("Enter Month:\t");**  **scanf("%d", &birth\_month);**  **printf("Enter Year:\t");**  **scanf("%d", &birth\_year);**  **year(current\_date, current\_month, current\_year, birth\_date, birth\_month, birth\_year);**  **return 0;**  **}** |

**OUTPUT:**

